

IN THE CLAIMS

Claims 1-79 (Canceled).

¹
Claim ~~80~~. (Currently amended) An isolated nucleic acid molecule, the ~~complimentary~~ complementary sequence of which hybridizes fully, under highly stringent conditions (aqueous buffer, 65°C) to the nucleotide sequences set forth in SEQ ID NO: 15, wherein said nucleic acid molecule encodes a cancer associated antigen, wherein said cancer associated antigen is a protein which, when expressed by a human, elicits a humoral response by said human against said protein.

²
Claim ~~81~~. (Previously presented) An isolated nucleic acid molecule comprising the nucleotide sequence of SEQ ID NO: 15.

³
Claim ~~82~~. (Previously presented) An isolated nucleic acid molecule comprising the nucleotide sequence of SEQ ID NO: 8.

⁴
Claim ~~83~~. (Previously presented) An isolated nucleic acid molecule comprising the nucleotide sequence of SEQ ID NO: 4.

⁵
Claim ~~84~~. (Previously presented) An isolated nucleic acid molecule comprising a nucleotide sequence which encodes a protein comprising the amino acid sequence of SEQ ID NO: 16.

⁶
Claim ~~85~~. (Previously presented) Expression vector comprising the isolated nucleic acid molecule of claim ~~80~~¹, operably linked to a promoter.

⁷
Claim ~~86~~. (Previously presented) Recombinant cell, transformed or transfected with the isolated nucleic acid molecule of claim ~~81~~².

⁸
Claim ~~87~~. (Previously presented) Recombinant cell, transformed or transfected with the isolated nucleic acid molecule of claim ~~80~~¹.

- Claim ⁹~~88~~. (Previously presented) The recombinant cell of claim ⁷~~86~~, wherein said recombinant cell is further transfected with a nucleic acid molecule encoding a cytokine, or an MHC molecule.
- Claim ¹⁰~~89~~. (Previously presented) The recombinant cell of claim ⁸~~87~~, wherein said recombinant cell is further transfected with a nucleic acid molecule which encodes a cytokine, or an MHC molecule.
- Claim ¹¹~~90~~. (Previously presented) The recombinant cell of claim ⁹~~88~~, wherein said cytokine is an interleukin.
- Claim ¹²~~91~~. (Previously presented) The recombinant cell of claim ¹⁰~~89~~, wherein said cytokine is an interleukin.
- Claim ¹³~~92~~. (Previously presented) The recombinant cell of claim ¹¹~~90~~, wherein said interleukin is IL-2, IL-4, or IL-12.
- Claim ¹⁴~~93~~. (Previously presented) The recombinant cell of claim ¹²~~91~~, wherein said interleukin is IL-2, IL-4, or IL-12.
- Claim ¹⁵~~94~~. (Previously presented) The recombinant cell of claim ⁷~~86~~, rendered non-proliferative.
- Claim ¹⁶~~95~~. (Previously presented) The recombinant cell of claim ⁸~~87~~, rendered non-proliferative.
- Claim ¹⁷~~96~~. (Previously presented) The expression vector of claim ⁶~~85~~, comprising a mutated or attenuated virus.
- Claim ¹⁸~~97~~. (Previously presented) The expression vector of claim ¹⁷~~96~~, wherein said virus is vaccinia virus or adenovirus.